

Daily Debrief 7/17/2016

Next meeting:

Phone: 1-844-467-4685, Pass code: 532355#

Monday: 8am – Weather Brief

Monday: 5pm - this time may change due to any delays in return of the plane, someone will sent a text from the C-130 to Linda & Cate so please check your emails.

Roles & Responsibilities:

Science POC Responsibilities (Ken or designee):

- Provide interim and final flight plans to pilots in time to meet FAA 72-hour deadline
- Communicate takeoff time for both aircraft to aircraft POCs
- Upload science report for each flight to archival website
- Coordinate with OCO-2 science team to finalize satellite viewing tracks and to notify OCO-2 team to avoid target mode during our underflight days

C-130 POC Responsibilities (Linda up to transit flight takeoff on August 1; Cate after transit flight takeoff August 1):

- Get takeoff time decision from science POC
- Define and coordinate aircraft timeline (fueling, doors open and cooling available to research teams for instrument warmup, doors closed time)
- Communicate daily flight schedule to aircraft maintenance personnel and all personnel on flight manifest
- Report to science POC on all updates concerning the aircraft, including mechanical updates
- Ensure proper cooling and ground power for aircraft
- Provide flight manifest to pilots
- Upload daily aircraft report for archival website
- Track aircraft flight hours and keep running total in flight report (including wheels up/down time for data analysis)

B200 POC Responsibilities (Mike Wusk):

- Same as above except for B200

Instrument team POCs:

- Provide instrument operator names to each aircraft manifest by noon on day preceding flight
- Upload instrument quick look reports for each flight to archival website
- Report daily instrument status to aircraft POCs

Any issues encountered the day of flight shall be reported to Ken Davis or Designate

General Information

- The number used to send text messages to the B200: 011881632648063
- Note: Cleveland has a 30 nm radius temporary flight restriction up to 18000' due to republican convention until Jul 22.
- Note: Democratic convention will have the same 30 nm radius TFR around Philly from 25-29

Monday

Proposed departure times of 11:00 EDT for the C130, 11:30 EDT for the B200 (C130 time + 30 min). Can delay up to 2 hours if needed due to air-conditioning cart.

- Plan to fly if B200 is fixed or not
- Plan for an 0800 go/no go meeting
- **C-130**
 - Team is to review and comment if incorrect manifest (attached above)
 - AC planned to be delivered at 0800, 40 minutes to set up,
 - Potential takeoff: 11am, C-130
 - Plan to fuel for 8 hours
 - Plan on stormy profile

Schedule – C-130 (Dependent on the arrival of the AC cart)

- 8 am – AC Cart arrival
- 9 am – Power on – MFLI warm up start
- 10:30 am Doors Close
- LM – Notify science when switch over to APU from carts is to begin
- 11 am Takeoff

Tuesday

- Potentially another stormy weather day
- Takeoff: 9 am (Aircrew arrival 7 am/mechanics at 6:30am (will verify times) – Monday's flight must be completed by 7 pm)

Taken from Outlook_17July2016

Date	Weather	Flight plan / take off time	Comments
Sunday, 17 July		No flight.	Hard down day
Monday, 18 July	Front in NW Pennsylvania. SW to NE 700mb flow and bands of moisture, convection along one of those bands.	Frontal transect, SE to NW	5.7 hours, C130, with 0.45 hours dependent on clear <u>conditions 4.45 hours, B200.</u> Proposed departure times of 11:00 EDT for the C130, 11:30 EDT for the B200 (C130 time + 30 min). Can delay up to 2 hours if needed due to air-conditioning cart.

Tuesday, 19 July	Front advances to the SE	Ditto	5.7 hours, C130, with 0.45 hours dependent on clear conditions 4.45 hours, B200. Proposed departure times of 9:00 EDT for the C130, 9:30 EDT for the B200 (C130 time + 30 min).
Wednesday, 20 July	H pressure, light winds	Fair weather pattern, what orientation?	Or OCO-2. Glint track in the region, 20 July (18Z or 1pm local).
Thursday, 21 July	H pressure, light winds	Ditto	
Friday, 22 Jul	H pressure, light winds	Ditto	

Note: B200: 12 hr. day
C130: 16 hr. day

C-130 Report for 7/17/2016

- Down Day
 - We will be in early Monday morning to get some guttering installed in the problem area before the flight.
 - Ken will provide plans Monday morning for both Tuesday and Wednesday
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B-200 Report for 7/17/2016

- Aircraft is in good status
 - Monday morning – work or at least identify the issue - Wind speed, dynamic and static pressure issue
 - Flaks will be ready for shipping out – Byron will work this Monday
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Weather Brief – Brian Gaudet

Folder NAME: Weather_Outlook_Summer2016

<https://drive.google.com/folderview?id=0B9cGPcwIS9gcOTFYUXZ4X0gxTXc&usp=sharing>

Filename: 20160717_1652_weather_briefing.pptx

Similar PDF has been also uploaded on LaRC site:

Link:

<http://www-air.larc.nasa.gov/missions/ACT-America/reports.2016/index.html>

Please look for "Forecast" column under 'Daily Reports'.
Filename:
2016-07-17_Forecast_20160717_1652_weather_briefing

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